

Application No. 10/015,582

Amdt. dated August 21, 2003

Reply to Office Action of March 21, 2003

Docket No. 2001-1208

This listing of claims will replace all prior versions,
and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-9. (canceled)

10. (previously presented) A method of treating or preventing obesity, being overweight, fluctuations in blood insulin levels or fluctuations in blood glucose levels in mammals, said method comprising enterally administering to a mammal an effective amount of a preparation containing glucose isomerase.

11. (previously presented) The method according to claim 10, wherein the method comprises administering 0.5 to 1500 international units (IU) enzyme per kg body weight of the mammal per dosage.

12. (previously presented) The method according to claim 10, wherein the preparation is provided with a coating that prevents reduction of activity of the enzyme by stomach acid and/or stomach proteases.

13. (previously presented) The method according to claim 10, wherein said enzyme is administered to the mammal during a period of 60 minutes before and 60 minutes after ingestion of a

Application No. 10/015,582
Amdt. dated August 21, 2003
Reply to Office Action of March 21, 2003
Docket No. 2001-1208

carbohydrate and wherein the total amount of carbohydrate ingested during said period exceeds 5 grams.

14. (previously presented) The method according to claim 10, wherein the preparation further comprises one or more components selected from the group consisting of carbohydrate absorption inhibitors, carbohydrase inhibitors, and enzymes capable of synthesizing sparingly digestible saccharides from easily digestible saccharides.

15. (canceled)

16. (previously presented) The method according to claim 10, wherein the glucose isomerase has a pH optimum for converting glucose to fructose below pH 8.

17. (previously presented) The method according to claim 10, wherein the preparation is administered in an amount of between 10 and 100,000 international units (IU) per gram of dosage.

18. (canceled)

19. (previously presented) The method according to claim 10, wherein the mammal is overweight or obese.